SUBJECT East German Experiments with Ceramic NO. OF PAGES Cutting Edges	25X1A 2 December 1952
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INFORMATION REPORT

Hermite of shortages of tool steel and especially high-speed steel in the MER, witsputs have been made to employ ceraric cutting edges for proposing metals, a practice which is allegedly used successfully in the MESE. Thuringian porcelain factories, the Hescho works in Percedori, for example, once farous for their hard, durable cerasian products, are once porty producing good technical percelain. Several months ago, Or, ing. (Inc.) Richter of the Institute for Industrial Science and Standardization of the Technical College of Presden conducted experiments with cutting plates (Schneideplättshen) of ceramic materials; the experiments were later performed. For Minister of Machine Construction Gerhard Allier.

2. Contrary to last German press releases, the results of the experiments were not encouraging: the life of a ceramic cutting plate used for processing soft cast steel amounted to only 16 minutes; butting edges used on orass, bronze, and light metal (Leichtmetall) were also effective for a short time only "Geramic cutting edges do find practical uses, however, in processing certain plastics such as bakelite. It will probably be some time, though, before such cutting edges can be used on that siest, brass, bronze, and the like.

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